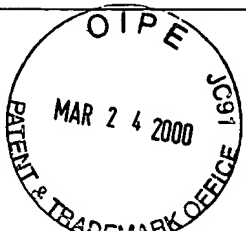


FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. TSRI 184.2C4	SERIAL NO. 09/512,736
		APPLICANT Hein, et al.	
		FILING DATE February 24, 2000	

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
cc	4,762,785	8/9/88	Comai			
	4,771,002	9/13/88	Gelvin			
	4,816,397	3/28/89	Bois, et al.			
	4,816,567	3/28/89	Cabilly, et al.			
↓	4,956,282	9/11/90	Goodman, et al.			

FOREIGN PATENT DOCUMENTS


EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
cc	WO87/00865	2/12/87	WIPO			
↓	WO88/04936	7/14/88	WIPO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

cc	1.	Azipura, et al., "Oral Vaccination: Identification of Classes of Proteins that Provoke an Immune Response upon Oral Feeding", <u>J Exp. Med.</u> , 167:440-451 (1988)
	2.	Carayannopoulos, et al., "Recombinant Human IgA Expressed in Insect Cells", <u>Proc. Natl. Acad. Sci., USA</u> , 91:8348-8352 (1994)
	3.	Chrisspels, Maarten J., "Sorting of Proteins in the Secretory System", <u>Annu. Rev. Plant Physiol. Plant Mol. Biol.</u> , 42:21-53 (1991)
	4.	Cocking, et al., "Gene Transfer in Cereals", <u>Science</u> , 236:1259-1262 (1987)
	5.	During, 1988 (Jul. 9), Wundinduzier bare Expression und Sekretion von T4 Lysozym and monoklonalen Antikorporen in Nicotiana Tabacum. Dissertation, University of Koln, FRG. pp. 13-16, 65-78, 87-89, 103-105, 108-110, 112-118, 120-126, and 135-158. Also, English translation.
	6.	During, et al., "Synthesis and Self-Assembly of a Functional Monoclonal Antibody in Transgenic Nicotiana Tabacum", <u>Plant Molecular Biology</u> , 15:281-293 (1990)
	7.	During and Hippe, "Synthesis, Assembly and Targeting of Foreign Chimeric Proteins in Transgenic Nicotiana Tabacum Cells", <u>Biol. Chem. Hoppe Seyler, Gesellschaft fur Biologische Chemie</u> , 370:888 (1989)
	8.	Edelman, et al., "The Covalent Structure of an Entire γ G1 Immunoglobulin Molecule", <u>Proc. Natl. Acad. Sci., USA</u> , 63:78-85 (1969)
	9.	Eicholtz, et al., "Expression of Mouse Dihydrofolate Reductase Gene Confers Methotrexate Resistance in Transgenic Petunia Plants", <u>Somatic Cell and Molecular Genetics</u> , 13(1):67-76 (1987)
	10.	Graves and Goldman, "The Transformation of Zea Mays Seedlings with Agrobacterium Tumefaciens Detection of T-DNA Specific Enzyme Activities", <u>Plant Molecular Biology</u> , 7:43-50 (1986)
↓	11.	Hein, et al., "Evaluation of Immunoglobulins from Plant Cells", <u>Biotechnol. Prog.</u> , 7:455-461 (1991)

EXAMINER <i>Cynthia Collins</i>	DATE CONSIDERED <i>10/16/01</i>
------------------------------------	------------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT		ATTY DOCKET NO. TSRI 184.2C4	SERIAL NO. 09/512,736
		APPLICANT Hein, et al.	
		FILING DATE February 24, 2000	

U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

cc	12.	Hiatt, et al., "Production of Antibodies in Transgenic Plants", <u>Nature</u> , 342:76-78 (1989)
	13.	Horsch, et al., "A Simple and General Method for Transferring Genes into Plants", <u>Science</u> , 227:1229-1231 (1985)
	14.	Hunt, et al., "Plant Cells Do Not Properly Recognize Animal Gene Polyadenylation Signals", <u>Plant Molecular Biology</u> , 8:23-35 (1987)
	15.	Lefebvre, et al., "Mammalian Metallothionein Functions in Plants", <u>Biotechnology</u> , 5:1053-1056 (1987)
	16.	Lutcke, et al., "Selection of AUG Initiation Codons Differs in Plants and Animals", <u>Embo Journal</u> , 6(1):43-48 (1987)
	17.	Ma, et al., "Assembly of Monoclonal Antibodies with IgG1 and IgA Heavy Chain Domains in Transgenic Tobacco Plants", <u>Eur. J. Immunol.</u> , 24:131-138 (1994)
	18.	Mach, Jean-Pierre, "In Vitro Combination of Human Bovine Free Secretory Component with IgA of Various Species", <u>Nature</u> , 228:1278-1282 (1970)
	19.	Pautot, et al., "Expression of a Mouse Metallothionein Gene in Transgenic Plant Tissues", <u>Gene</u> , 77:133-140 (1989)
	20.	Poehlman, John M., <u>Breeding Field Crops</u> ; AVI Publishing Co. Inc., Chapter 3: Gene Recombination in Plant Breeding pp. 38-63 (1986)
	21.	Thiele, et al., "Mammalian Metallothionein is Function in Yeast", <u>Science</u> , 231:854-856 (1986)
	22.	Thorens and Vassalli, "Chloroquine and Ammonium Chloride Prevent Terminal Glycosylation of Immunoglobulins in Plasma Cells without Affecting Secretion", <u>Nature</u> , 321:618-620 (1986)
	23.	Vandekerckhove, et al., "Enkephalins Produced in Transgenic Plants Using Modified 2S Seed Storage Proteins", <u>Biotechnology</u> , 7:929-932 (1989)
↓	24.	von Heijne, Gunnar, "Signal Sequences: The Limits of Variation", <u>J. Mol. Biol.</u> , 184:99-105 (1985)

EXAMINER

Cynthia Collins

DATE CONSIDERED

11/16/01

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.